Attorney's Docket No.: 42390.P12075

PATENT

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first, and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled

Method of Making a Semiconductor Device that has Copper Damascene Interconnects with Enhanced Electromigration Reliability

the specification of which

_____ is attached hereto.

was filed on as

United States Application Number
or PCT International Application Number
and was amended on

(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred to above. I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, and that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d), of any foreign applications for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

				Priority <u>Claimed</u>	
(Number)	(Country)	(Day/Month/Year Fi	led)	Yes	No
(Number)	(Country)	(Day/Month/Year Fi	led)	Yes	No
(Number)	(Country)	(Day/Month/Year Fi	led)	Yes	No
•	e benefit under title 3 cation(s) listed below	5, United States Code, Sect	ion 119(e) c	of any Unit	ed States
(Application Number)			Filing Date		
(Application Number)			Filing Date		
application(s) liston application is not first paragraph of all information kn Federal Regulatio	ed below and, insofar disclosed in the prior Title 35, United Stat- lown to me to be mat ns, Section 1.56 whice	35, United States Code, Secras the subject matter of each United States application ites Code, Section 112, I acknowled to patentability as defined became available between ternational filing date of this	ch of the clant the manner of the manner of the manner of the med in Title on the filing	nims of this er provided ne duty to de 37, Code of date of the	by the disclose of
(Application l	Number)	Filing Date	(Sta	tus—paten	ted,

I hereby appoint Aloysius T. C. AuYeung, Reg. No. 3S,432; William Thomas Babbitt, Reg. No. 39,591; Kent D. Baker, Reg. No. 38,822; Jordan Michael Becker, Reg. No. 39,602; Bradley J. Bereznak, Reg. No. 33,474; Michael A. Bernadicou, Reg. No. 35,934; Roger W. Bravely, Jr., Reg. No. 25,831; Gregory D. Caldwell, Reg. No. 39,926; Kent M. Chen, Reg. No. 39,630; Lawrence M. Cho, Reg. No. 39,942; Thomas M. Coester, Reg. No P39,637; Roland B. Cortes, Reg. No. 39,152; William Donald Davis, Reg. No. 38,428; [Daniel M De Vos, Reg. No. 37,813; Karen L. Feisthamel, Reg. No. 40,264; David R. Halvorson, Reg. No. 33,395; Brian Don Hickman. Reg. No. 35,894; Eric Ho, Reg. No. P39,711; George W Hoover II, Reg. No. 32,992; Eric S. Hyman, Reg. No. 30,139, Jeffrey D. Jacobs, Reg. No. 40,029; Dag H. Johansen, Reg.

pending, abandoned)

No. 36,172; Stephen L. King, Reg. No. 19,180; Dolly M. Lee, Reg. No. 39,742; Michael J. Marie, Reg. No. 36,591; Kimberley G. Nobles, Reg. No. 38,255; Ronald W. Reagin, Reg. No. 20,340; James H Salter, Reg. No. 35,668, William W. Schaal, Reg. No. 39,018; James C. Scheller, Reg. No. 3X,195; Maria McCormack Sobrino, Reg. No. 31,639; Stanley W. Sokoloff, Reg. No. 2S,128; Allan T. Sponseller, Reg. No. 38,318; Steven R. Sponseller, Reg. No. 39,384; David R. Stevens, Reg. No. 3B,626; Edwin H. Taylor, Reg. No. 25,129; Lester J. Vincent, Reg. No. 31,460; John Patrick Alard, Reg. No. 40,216; Ben J. Yorks, Reg. No. 33,609; and Norman Zafman, Reg. No. 26,250; my attorneys; and Gary B. Goates, Reg. No. 35,159; Michael Anthony DeSanctis, Reg. No. 39,957; Charles E. Shemwell, Reg. No. 40,171; Edwin A. Sloane, Reg. No. 34,728; and Judith A. Szepesi, Reg. No. 39,393; my patent agents, of BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN, with offices located at 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 9002E, telephone (310) 207-3800, and Joseph R. Bond, Reg. No. 36,458; Richard C. Calderwood, Reg. No. 35,468, Mark Seeley, Reg. No. 32,299; Leo V. Novakoski, Reg. No. 37,198; Naomi Obinata, Reg. No. 39,320; Thomas C. Reynolds, Reg. No. 32.488; and Raymond J. Werner, Reg. No. 34,752 of INTEL CORPORATION with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

Send correspondence to Mark Seeley, c/o BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN, 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025 and direct telephone calls to Mark Seeley, (408) 765-7382.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Sole/First Inventor Stefan Hau-Riege	
Inventor's Signature Date X	11/17/01
Residence 1775 Milmont Drive #N205, Milpitas, CA_95035	Citizenship Germany
(City, State)	(Country)

Post Office Address Same as above

PATENT

Attorney's Docket No.: 42390.P12075

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first, and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred to above. I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, and that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d), of any foreign applications for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

				Priority <u>Claimed</u>	
(Number)	(Country)	(Day/Month/Year Fi	led)	Yes	No
(Number)	(Country)	(Day/Month/Year Fi	led)	Yes	No
(Number)	(Country)	(Day/Month/Year Fi	led)	Yes	No
•	e benefit under title 3 cation(s) listed below	5, United States Code, Sect	ion 119(e) of an	y Unite	ed States
(Application Number)			Filing Date		
(Application Number)			Filing Date		
application(s) liste application is not first paragraph of all information kn	ed below and, insofar disclosed in the prior Title 35, United State lown to me to be mat ns, Section 1.56 whice	s5, United States Code, Sector as the subject matter of each United States application it es Code, Section 112, I acknowled to patentability as definited became available between the sectional filing date of this	ch of the claims in the manner proposed the duned in Title 37, in the filing date	of this ovided ity to d Code o	by the lisclose
(Application I	Number)	Filing Date	(Status-	-paten	ted,

I hereby appoint Aloysius T. C. AuYeung, Reg. No. 3S,432; William Thomas Babbitt, Reg. No. 39,591; Kent D. Baker, Reg. No. 38,822; Jordan Michael Becker, Reg. No. 39,602; Bradley J. Bereznak, Reg. No. 33,474; Michael A. Bernadicou, Reg. No. 35,934; Roger W. Bravely, Jr., Reg. No. 25,831; Gregory D. Caldwell, Reg. No. 39 926; Kent M. Chen, Reg. No. 39,630; Lawrence M. Cho, Reg. No. 39,942; Thomas M. Coester, Reg. No P39,637; Roland B. Cortes, Reg. No. 39,152; William Donald Davis, Reg. No. 38,428; [Daniel M De Vos, Reg. No. 37,813; Karen L. Feistharnel, Reg. No. 40,264; David R. Halvorson, Reg. No. 33,395; Brian Don Hickman. Reg. No. 35,894; Eric Ho, Reg. No. P39,711; George W Hoover II, Reg. No. 32,992; Eric S. Hyman, Reg. No. 30,139, Jeffrey D. Jacobs, Reg. No. 40,029; Dag H. Johansen, Reg.

pending, abandoned)

No. 36,172; Stephen L. King, Reg. No. 19,180; Dolly M. Lee, Reg. No. 39,742; Michael J. Marie, Reg. No. 36,591; Kimberley G. Nobles, Reg. No. 38,255; Ronald W. Reagin, Reg. No. 20,340; James H Salter, Reg. No. 35,668, William W. Schaal, Reg. No. 39,018; James C. Scheller, Reg. No. 3X,195; Maria McCormack Sobrino, Reg. No. 31,639; Stanley W. Sokoloff, Reg. No. 2S,128; Allan T. Sponseller, Reg. No. 38,318; Steven R. Sponseller, Reg. No. 39,384; David R. Stevens, Reg. No. 3B,626; Edwin H. Taylor, Reg. No. 25,129; Lester J. Vincent, Reg. No. 31,460; John Patrick Alard, Reg. No. 40,216; Ben J. Yorks, Reg. No. 33,609; and Norman Zafman, Reg. No. 26,250; my attorneys; and Gary B. Goates, Reg. No. 35,159; Michael Anthony DeSanctis, Reg. No. 39,957; Charles E. Shemwell, Reg. No. 40,171; Edwin A. Sloane, Reg. No. 34,728; and Judith A. Szepesi, Reg. No. 39,393; my patent agents, of BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN, with offices located at 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 9002E, telephone (310) 207-3800, and Joseph R. Bond, Reg. No. 36,458; Richard C. Calderwood, Reg. No. 35,468, Mark Seeley, Reg. No. 32,299; Leo V. Novakoski, Reg. No. 37,198; Naomi Obinata, Reg. No. 39,320; Thomas C. Reynolds, Reg. No. 32.488; and Raymond J. Werner, Reg. No. 34,752 of INTEL CORPORATION with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

Send correspondence to Mark Seeley, c/o BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN, 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025 and direct telephone calls to Mark Seeley, (408) 765-7382.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Sole/First Inventor R. Scott List

Inventor's Signature X N. Sett Dist Date X 11/27/01

Residence 16675 SW Ivy Glenn Street, Beaverton, OR 97007 Citizenship United States (City, State)

(Country)

Post Office Address Same as above